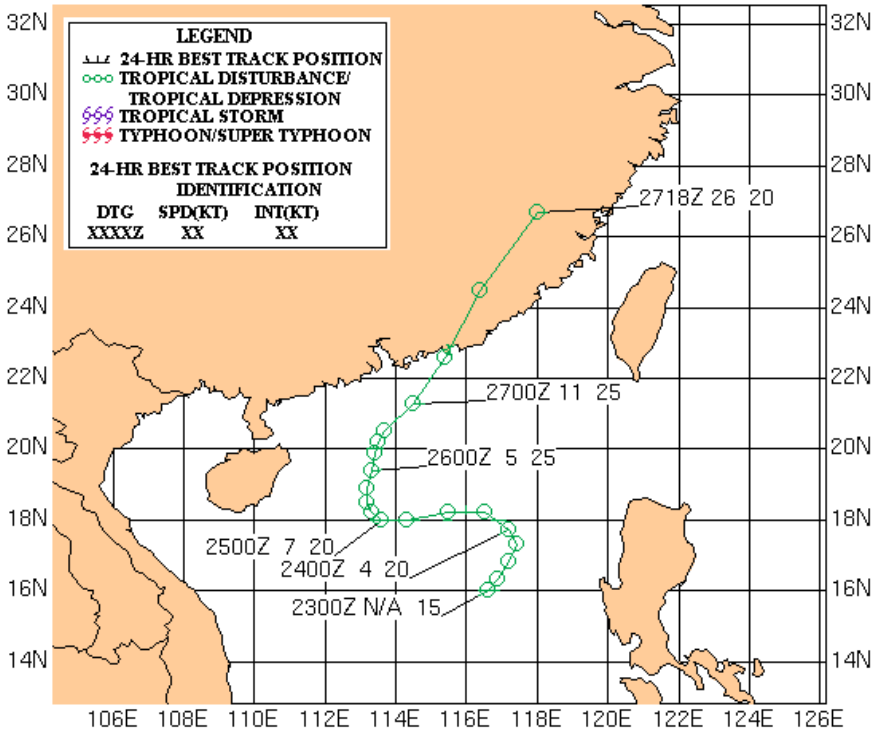
Tropical Depression 10W

Tropical Depression (TD) 10W began forming in the South China Sea, west of Luzon, Philippines on 23 July, reached tropical depression intensity on 251800Z July and remained a minimum TD as it meandered toward the Chinese coast. TD 10W made landfall near Shanwei, China on 270600Z July.

JTWC first began tracking the tropical disturbance on 230000Z July and mentioned it on the 230900Z July ABPW located west of Luzon in the South China Sea. TD 10W developed within a very active monsoon trough oriented from the South China Sea across Luzon to a disturbance that was to become TS Neil (09W), in the Philippine Sea. A TCFA was issued on 261800Z with the first warning issued immediately following it at 262100Z July.

The cyclone remained a very weak TD as it tracked north-northeastward under the steering flow of the subtropical ridge to the east. Synoptic data indicated a broad circulation, with a barely discernable low level circulation center on satellite imagery. TD 10W made landfall near Shanwei, China on 270600Z as a minimum TD.

JTWC issued the third and final warning at 270900Z July as TD 10W moved inland and dissipated. Post analysis indicated TD 10W actually reached 25 kt intensity on 251800Z, hence best track intensities were increased from 20 kt prior to the first warning.



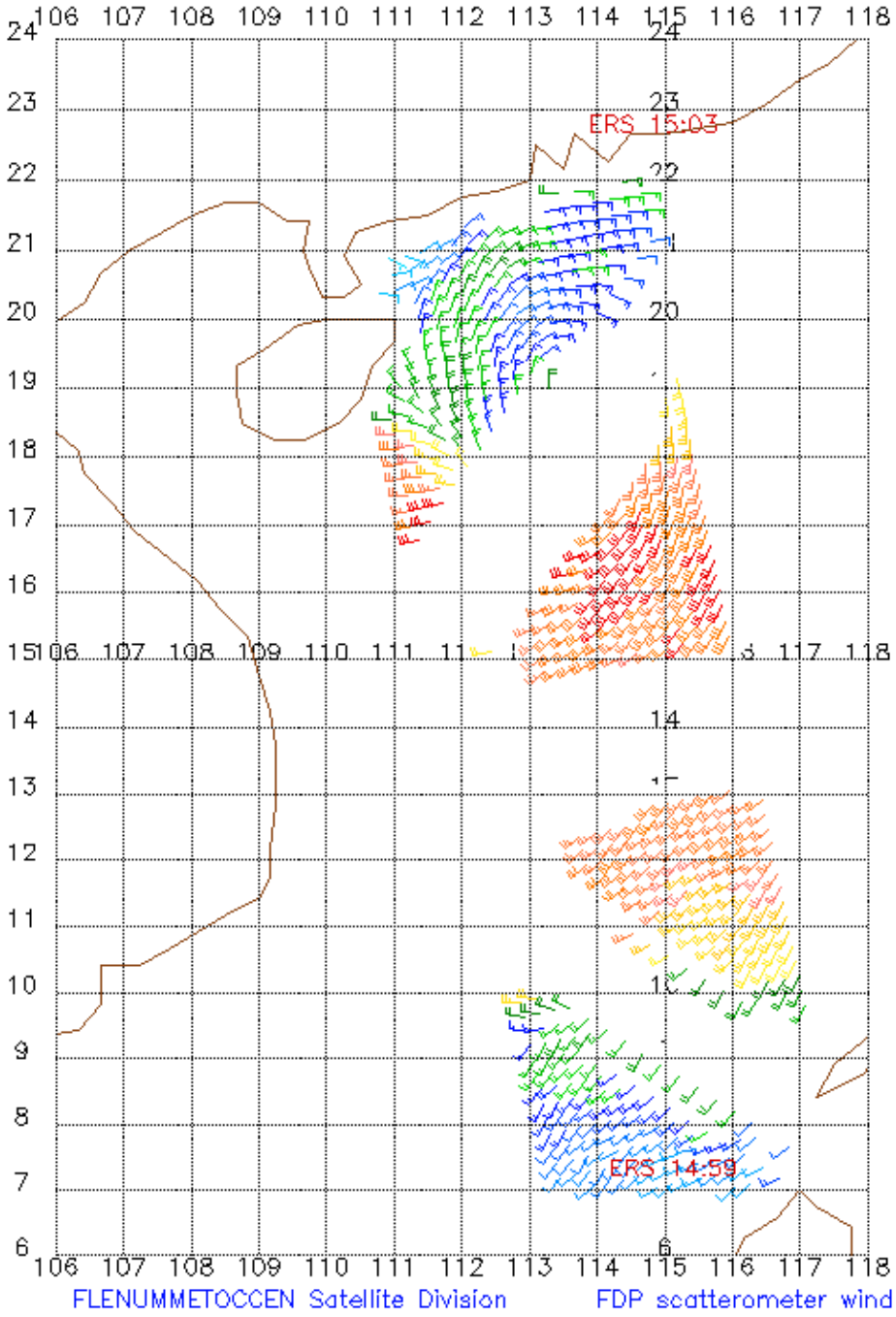


Figure 1-10-1. 251503Z July ERS-2 scatterometer pass. This pass indicated winds were greater than Dvorak analysis yielded. Hence, post analysis increased winds of the best track.

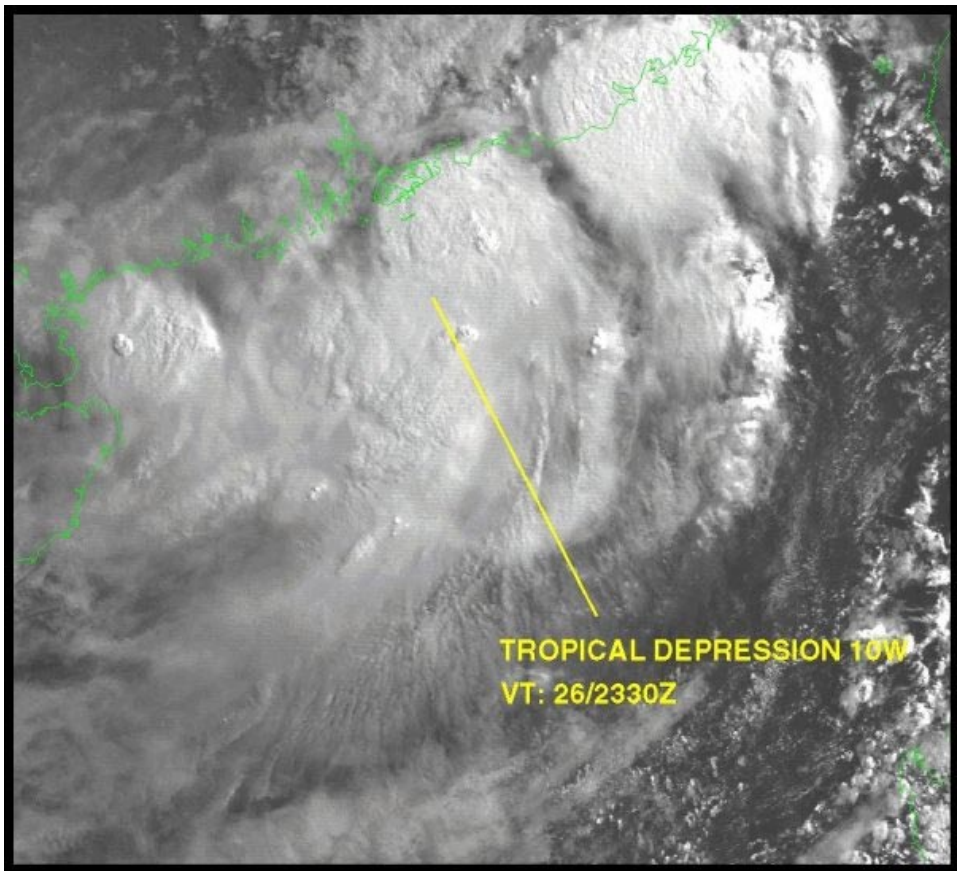


Figure 1-10-2. 262330Z July GMS-5 visible image. TD 10W was a 25 kt TD as it approached the Chinese coast. TD 10W made landfall about seven hours later.